

Water-Data Report 2008

**350337083254403 Local number MA-074, NCDENR Coweeta Research Station, MW-1D near Otto, NC  
(Bedrock)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°03'37.2", long 83°25'44" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory near Otto. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 291 ft, diameter 6 in., cased to 52 ft, open hole from 52 ft to 291 ft.

DATUM.--Land-surface datum is 2,230.4 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 3.22 ft above land-surface datum, July 25, 2007, to present.

PERIOD OF RECORD.--August 2007 to current year.

GAGE.--Measured periodically with electric and steel tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.38 ft below land-surface datum, March 5, 2008; lowest water level measured, 8.28 ft below land-surface datum, July 21, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Nov 1, 2007	7.42	Mar 25, 2008	7.14
Jan 24, 2008	6.83	Apr 24	7.08
Mar 5	6.38	May 29	7.42
24	7.02	Jul 21	8.28

Highest: 6.38 Mar 05, 2008

Lowest: 8.28 Jul 21, 2008

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